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## PATENT ABSTRACTS OF JAPAN

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(54) OIL-BASED COMPOSITION AND FEED ADDED WITH THE SAME

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain the subject composition which can uniformly mix water soluble vitamins and does not deteriorate or decompose the water soluble vitamins in a feed when it is added in the feed.

SOLUTION: This oil-based composition comprises (A) water soluble vitamins (e.g. vitamin B1, L-ascorbic acid, etc.), and (B) an oil-based ingredient showing a liquid state or fluidity at ordinary temperatures. The composition preferably contains 5-50 wt.% of the ingredient A and 40-90 wt.% of the ingredient B based on the whole amount of the objective composition. The ingredient A is preferably in a particle state having 0.1-10  $\mu\text{m}$  average particle size. The ingredient B has preferably 10-2000 cP viscosity at 25°C. Concretely, e.g. soy bean oil, rapessed oil, etc., are cited. The objective component can be made to contain a lipophilic emulsifier such as a sorbitan fatty acid ester and an oil soluble vitamin and/or  $\beta$ -carotene.